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ABSTRACT

To provide a method of treating an aluminum-wheel surface for removing an alkaline material, which is problematic when the surface is subjected to chromium-free treatment, adhered to the aluminum surface without damaging the aluminum surface, the method can improve the adhesion of a coating to the aluminum base material. To provide a method of treating an aluminum-wheel surface as treatment prior to chromium-free coating, the method achieves a corrosion resistance equivalent to that obtained by treatment using chromic acid chromate containing hexavalent chromium. Further, to provide a method of treating an aluminum-wheel surface, the method does not adversely affect the health of workers and the environment and can remove a coating without damaging the surface of the aluminum material.

The method of treating aluminum-wheel surface includes a blasting process for blowing a casting material onto the aluminum-wheel surface. The casting material is composed of plastic particles ranging in size from 100 to 2000 μm and containing a thermosetting resin as the main ingredient.